

2634 5.14.03

Attorney Docket No: 42390P15396C

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re	Application of:		RECEIVED
	Arogyaswami J. Paulraj et al.	Examiner: ***	MAY 0 5 2003
Appli	cation No.: 09/876,896)	Art Unit: 2634	Technology Center 2600
Filing	Date: June 6, 2001	E hearthy a markey of the Co	
For:	METHOD AND WIRELESS) COMMUNICATIONS SYTEM) USING COORDINATED) TRANSMISSION AND TRAINING) FOR INTERFERENCE MITIGATION)	I hardby cartify that this even recommend to the Unit the United Builds from Construct a sufficient posters in an envolupe adjustment to Cassistant Commissioner for Patents, Washington, D.C. 1901 on	
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REVOCATION AND POWER OF ATTORNEY

The assignee, Intel Corporation, of the above-identified Patent Application, hereby revokes all previous powers of attorney given in this Patent Application, and appoints the firm identified below and individual.

Intel Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s) of the patent application identified above. The Assignment was recorded in the Patent and Trademark Office at Reel______, Frame______, or when the Assignment has not yet been recorded, a copy thereof is attached.

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, a firm including: Ramin Aghevli, Reg. No. 43,462; William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; W. Thomas Babbitt, Reg. No. 39,591; Jordan M. Becker, Reg. No. 39,602; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Robert P. Cogan, Reg. No. 25,049; Florin A. Corie, Reg. No. 46,244; Mimi D. Dao, Reg. No.

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The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The individual whose signature appears below is authorized to execute this Power of Attorney on behalf of Intel Corporation.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please direct all communications concerning this Application to:

Michael Proksch
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12400 Wilshire Boulevard, Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

Date: APRI\ 22, 2003

David Simon

Chief Patent Counsel Intel Corporation

U.S. PATENT APPLICATION ASSIGNMENT

This U.S. Patent Application Assignment (this "Assignment") is made as of September 18, 2002 by **Iospan Wireless, Inc.**, a Delaware corporation ("Assignor"), to **Intel Corporation**, a Delaware corporation ("Assignee").

RECITALS

- A. Assignor and Assignee have entered into an Asset Purchase Agreement dated as of September 18, 2002 (the "Purchase Agreement"). All capitalized terms used herein but not otherwise defined shall have the meanings set forth in the Purchase Agreement.
- B. Pursuant to the Purchase Agreement, Assignor desires to assign to Assignee all of Assignor's right, title and interest in and to patent applications filed with the United States Patent and Trademark Office and set forth on Exhibit A hereto (the "Patent Applications").

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Purchase Agreement and the covenants and agreements in this Assignment and to induce Assignee to consummate the transactions contemplated by the Purchase Agreement, Assignor agrees as follows:

- Assignor's right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for Damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such Damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.
- 2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.
- 3. Assignor hereby covenants with Assignee and the successors and permitted assigns of Assignee that, from time to time after the date hereof, Assignor will promptly execute and deliver to Assignee or shall promptly procure the execution and delivery of any and all such instruments of sale, transfer, conveyance, assignment and delivery, consents, assurances, powers of attorney and other instruments as may reasonably be requested by Assignee in order to vest in

Assignee all of Assignor's right, title and interest in and to the Patents and carry out the purpose and intent of this Assignment and the Purchase Agreement.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date first above written.

IOSPAN WIRELESS, INC.

By:

Vame: <u>Leve</u>

Title: President and Chief Executive Officer

EXHIBIT A

Title	Filing Date	Serial No.
Data Routing For Spatial	7/30/99	09/518,500
Multiplexing In A Cellular	1130177	
Network		
Subscriber Unit	4/7/00	09/545,434
	4/ //00	07/343,434
Incorporating Spatial		
Multiplexing	4/7/00	09/564,770
Subscriber Unit In A	4/7/00	09/304,770
Hybrid Link Incorporating		
Spatial Multiplexing	610100	00/501 015
A Cellular Wireless Re-	6/9/00	09/591,015
Use Structure That Allows		
Spatial Multiplexing And		
Diversity Communication		00/400 504
Method And System For	6/30/00	09/609,591
Mode Adaptation In		
Wireless Communication		
Systems		
Spatial Separation And	7/21/00	09/621,119
Multi-Polarization Of		
Antennas In A Wireless		
Cellular Network		
Wireless Communications	9/1/00	09/653,060
System That Supports		
Multiple Modes Of		
Operation		
An Apparatus And Method	9/28/00	09/678,179
For Optimizing Data		
Transfer Capacity Of A		
Multiple Base Transceiver		
Station Cellular Wireless		
Network System		
Method And System For	9/29/00	09/676,410
Adapting A Wireless Link		Í
In Response To Measured		
Error Rates		
Mode Selection For Data	9/19/00	09/665,149
Transmission In Wireless	71.7100	02,030,030
Communication Channels		
Based On Statistical		
Parameters Later Company Mitigation In	10/13/00	09/687,965
Interference Mitigation In	10/13/00	07/00/,703
Wireless Communications		

By Training Of Interfering		
Signals		
A System And Method For	11/8/00	09/708,170
Data Transmission From		
Multiple Wireless Base		
Transceiver Stations To A		
Subscriber Unit		
A System And Method For	12/4/00	09/729,886
Synchronizing Data		
Transmission From		
Multiple Wireless Base		
Transceiver Stations To A		
Subscriber Unit		
Mode Lookup Tables For	12/1/00	09/730,687
Data Transmission In		
Wireless Communication		
Channels Based On		
Statistical Parameters		
Method And System For	12/22/00	09/745,767
Evaluating A Wireless		ŕ
Link		
A Method And System For	2/1/01	09/775,860
Controlling The Flow Of	,	, , ,
Data In A Base		
Transceiver Station		
Adaptive Channel	2/6/01	09/778,323
Allocation Technique For	2, 0, 01	. ,
Wireless Communications		
Systems		
A Method, System And	3/6/01	09/813,656
Apparatus For Displaying	3, 0, 01	
The Quality Of Data		
Transmissions In A		
Wireless Communication		
System A Method And System For	3/23/01	09/816,652
A Method And System For	J/43/01	07/010,032
Scheduling The Transmission Of Wireless		
Data	2/27/01	00/810 047
Management And	3/27/01	09/819,947
Scheduling Of Data That		
Is Wirelessly Transmitted		
Between A Base		
Transceiver Station And		
Subscriber Units		00/07/ 00/
Method And Wireless	6/6/01	09/876,896

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Communications Systems	
For Interference Mitigation	
Continuation of GWI-	
101)	
Wireless Communication 6/5/01 09/875,806	
Systems With Adaptive	
Channelization And Link	
Adaptation	
Channel Interpolation 6/11/01 09/880,574	
Filters In OFDM Systems	
Spatial Multiplexing Using 6/4/01 09/873,449	
Co-Located Antennae	
With Multiple	
Polarizations Suitable For	
Mobile Applications	
A Wireless System 5/31/01 09/870,706	
Contention Management	
Procedure	
A Method And System For 6/28/01 09/894,448	
Adapting A Wireless Link	•
To Achieve A Desired	
Channel Quality	
A System And Method For 7/5/01 09/900,110	
Error Correction Coding	
Wirelessly Transmitted	
Information In A Multiple	
Antennae Communication	
System	
A System And Method Of 7/24/01 09/912,814	
Classifying Remote Users	
According To Link	
Quality, And Scheduling	
Wireless Transmission Of	
Information To The Users	
Based Upon The	
Classifications	
A System And Method For 7/24/01 09/912,800	Į.
Circulant Transmit	
Diversity 00/042 838	,
A System And Method For 8/28/01 09/942,838	ŀ
Simulating A MIMO	
Transmission Channel	
Transmit Signal 9/5/01 09/948,204	ŀ
D Daned On	
Preprocessing Based On	
Preprocessing Based On Transmit Antennae Correlations For Multiple	

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Antennae Systems		
A System And Method For	10/9/01	09/975,128
Providing Automatic Re-		
Transmission Of		
Wirelessly Transmitted		
Information		
A System And Method For	11/27/01	09/999,438
Transmit Diversity Based		
Upon Transmission		
Channel Delay Spread		
A System And Method For	12/14/01	10/23,632
Multiple Signal Carrier		
Time Domain Channel		
Estimation		
A System And Method Of	2/5/02	10/072,359
Dynamically Optimizing A		
Transmission Mode Of		
Wirelessly Transmitted		
Information		10/107 104
A Multiple Channel	3/25/02	10/107,124
Wireless Receiver		10/107 005
A Robust Multiple Chain	3/25/02	10/107,237
Receiver		10/150 504
A Method And System For	5/29/02	10/158,734
Multiple Chain Wireless		
Receiver And Transmitter		
Phase And Amplitude		
Correction	6/10/00	10/176 200
A Method And System Of	6/19/02	10/176,300
Biasing A Timing Phase		
Estimate Of Data		
Segments Of A Received		
Signal	7/2/02	10/190 755
A Method And System For	7/2/02	10/189,755
Adjusting A Power Level		
Of A Transmission Signal		
Based Upon A Peak To		
Average Ratio	0/16/00	
A Method And System Of	9/16/02	
Frequency And Time		
Synchronization Of A		
Transceiver To Signals		
Received By The		
Transceiver		

Acknowledgment by Notary Public

State of <u>California</u>	
County of Santa Clara	
on the basis of satisfactory evide	of 2002 before me, the undersigned Notary Public, personally known to me (or proved to me once) to be the person whose name is subscribed to the within me that he or she executed the same.
Seal:	Signature: // // // // // // // // // // // // //
the second control of the Control of the State of the Control of the State of the Control of the	
Commission # 1213405 Notary Public - Californi Santa Clara County My Comm. Expres Mar 18, 2	